



Faculty of Health, Science and Technology
Mechanical and Materials Engineering

Syllabus

User Innovation I

Course Code:	MSAD98
Course Title:	User Innovation I <i>Userinnovation I</i>
Credits:	15
Degree Level:	Master's level
Progressive Specialisation:	Second cycle, has only first-cycle course/s as entry requirements (A1N)

Major Field of Study:

FOA (Business Administration)

IEA (Industrial Management)

MTA (Mechanical Engineering)

Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2016-03-10, and is valid from the Autumn semester 2016 at Karlstad University.

Prerequisites

90 ECTS credits in one of the following fields: behavioural studies, design, business administration, technology or media and communication studies, or equivalent.

Upper secondary school level Swedish 3 or B or Swedish as a second language 3 or B, and English 6 or A, or equivalent.

Learning Outcomes

The aim of the course is to emphasise the product, service and design processes as innovation tools on the basis of consumer and user participation.

Upon completion of the course, students should be able to:

- apply service and design processes in projects,
- choose and apply suitable methods and models to involve users in the service and design processes,
- translate the result of qualitative methods into requirement specifications and functions,
- generate ideas, concepts and solutions based on requirement specifications and functions, according to the service and design processes,
- apply the impact principles in service and design projects,
- describe the processes involved in product and service innovations,
- give an account of some products and services derived from extreme user requirements and of their underlying factors.

Content

Instruction is in the form of lectures on product, service and design processes, user-driven innovation, service innovation and on impact principles.

Students carry out a major supervised group project involving translating results of qualitative methods into requirement specifications and functions and on the basis of these generate ideas, concepts and solutions. Students submit mandatory assignments and reports continuously during the project.

Reading List

See separate document.

Examination

Assessment is based on mandatory reports linked to the project, oral presentation and written documentation of the project, hand-in assignments individually and in groups, and a final written exam.

Grades

One of the grades Pass with Distinction (5), Pass with Some Distinction (Ö), Pass (3), or Fail (U) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional information

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.